Joint Experimentation Session
8th Annual Expeditionary Warfare Conference

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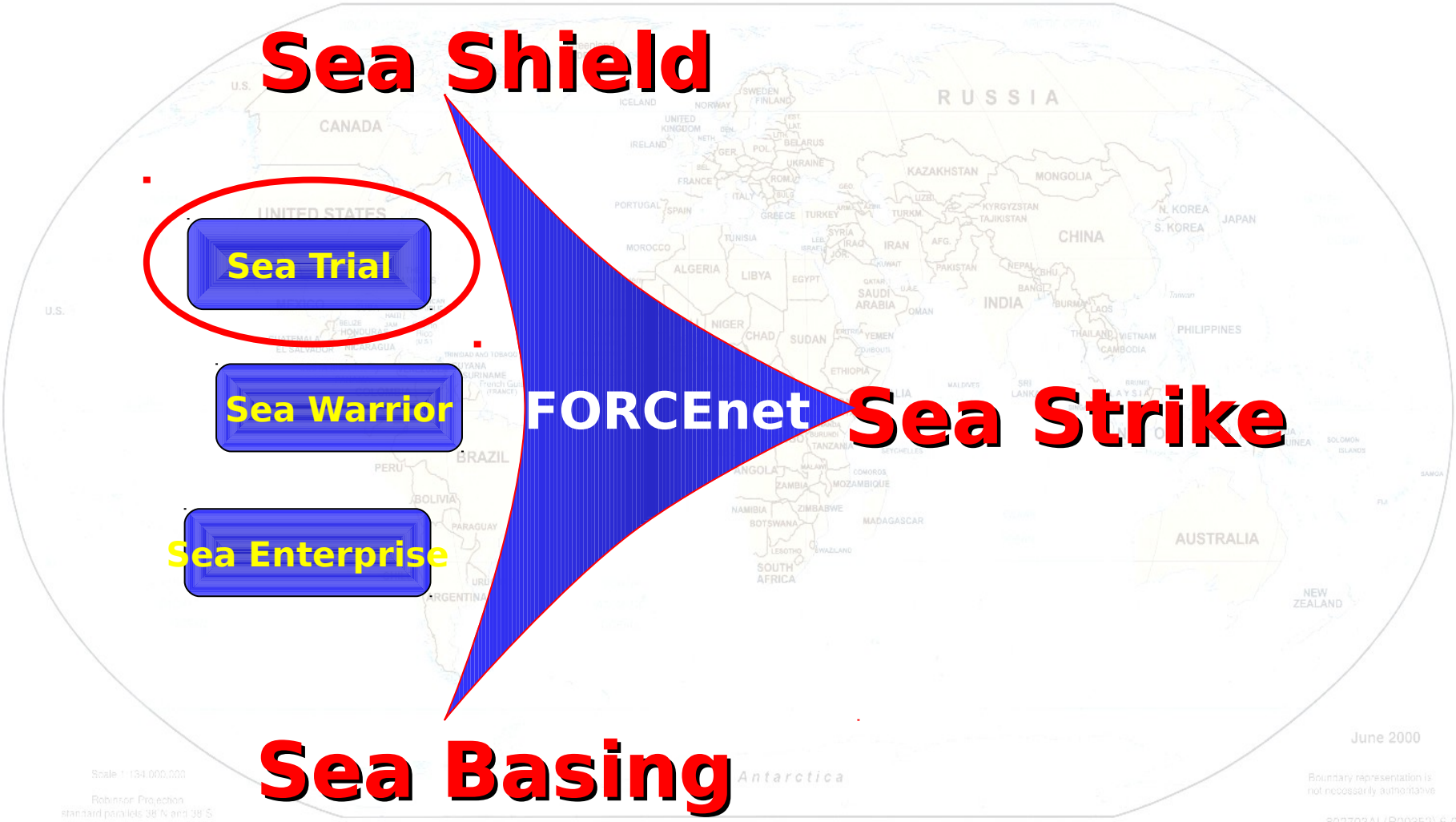
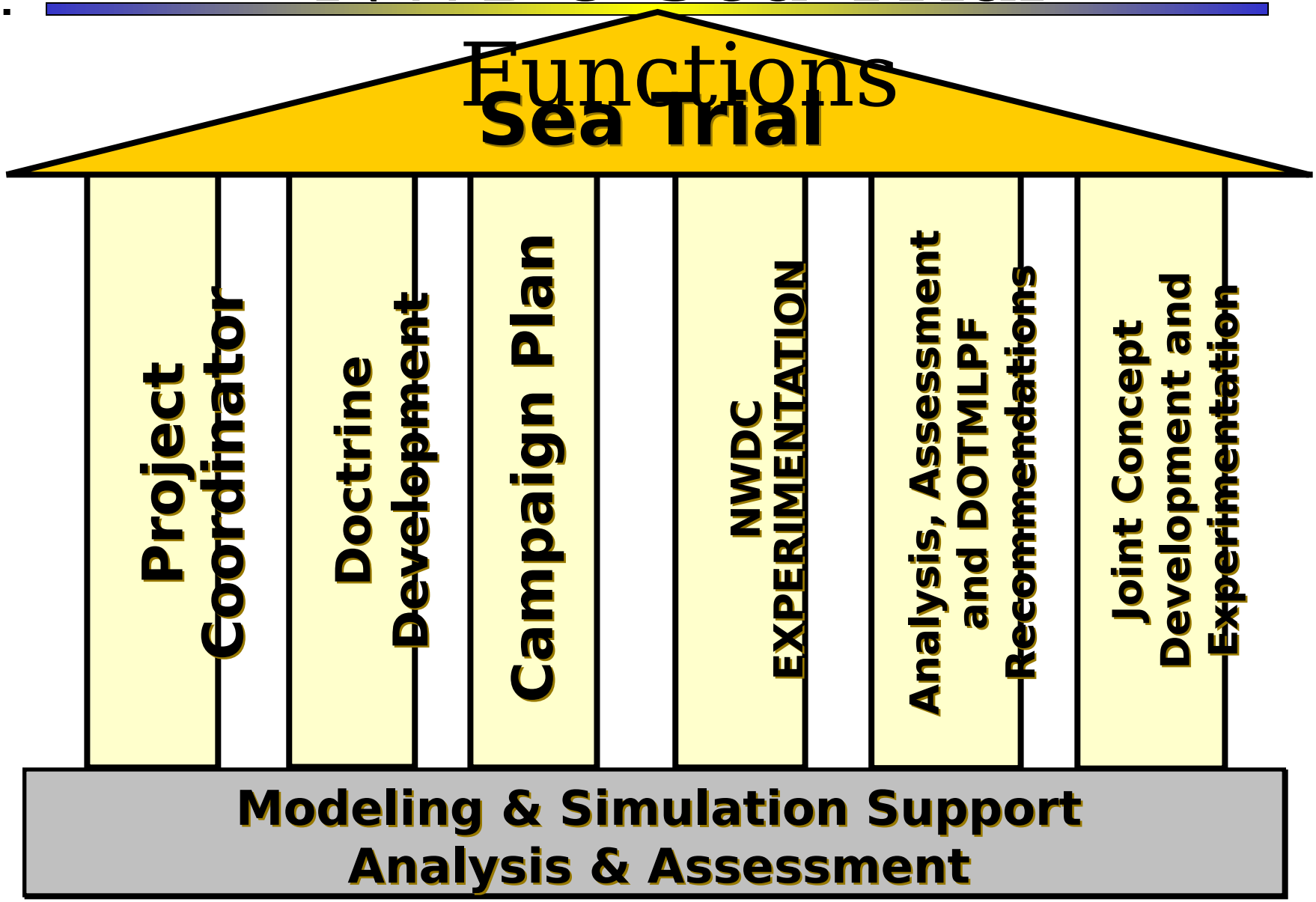
Sea Power 21


Sea Shield
Sea Trial
Sea Warrior
Sea Enterprise
FORCEnet
Sea Strike
Sea Basing

Sea Trial

- **Navy process for Joint transformation**
- **NWDC serves as the Project Coordinator for Sea Trial Executive Agent, Fleet Forces Command**
- **Continuously improves warfighting effectiveness**
- **Integrates emergent concepts and technologies**

NWDC Sea Trial Functions



Sea Trail Campaign Plan

"Ready"

June 2003

"Aim"

"Fire"

Context

- Defense Planning & Transformation Guidance
- Joint Vision & Warfighting Concepts
- Navy Vision: Sea Power 21
- Army, Air Force, Marine Corps, Special Operations and COCOM's Visions, Concepts & Capabilities
- Assessments of Navy Mission Effectiveness
- Advancing Technology

Challenges, Opportunities & Fleet Priorities

- Naval, Joint and National
- Core Challenges Facing the Navy: Today and in the Future
- Adversary Strategic & Tactical Weaknesses
- Potential Asymmetric Advantages Over the Adversary

Strategy-Driven Concepts

- Solving the Core Challenges
- Creating and Exploiting Adversary Weaknesses
- Synergistic with Joint/ Marine Corps / Other Service / COCOM Concepts, Capabilities and Challenges

Concept-Driven Experiments

- Test and Refine the Concepts
- Designed to Answer Key Unknowns Regarding Mission Effectiveness, Implementation Alternatives, and Composing & Operating the Transformed Fleet
- Spiral Development and Evaluation Process
- Allow Evaluation and Guidance by Fleet Commanders and Sailors
- Establish Key Performance Thresholds and Material Development Needs
- Establish Revised Mission CONOPs
- Provide "Fast Track" Prototypes and Key Niche Forces to the Fleet

NDCP, Requirements & Acquisition Process

Prioritizes, budgets, and develops material improvements

Develop Doctrine TT&P, and CONOPS

Prioritizes and implements DOTLP improvements

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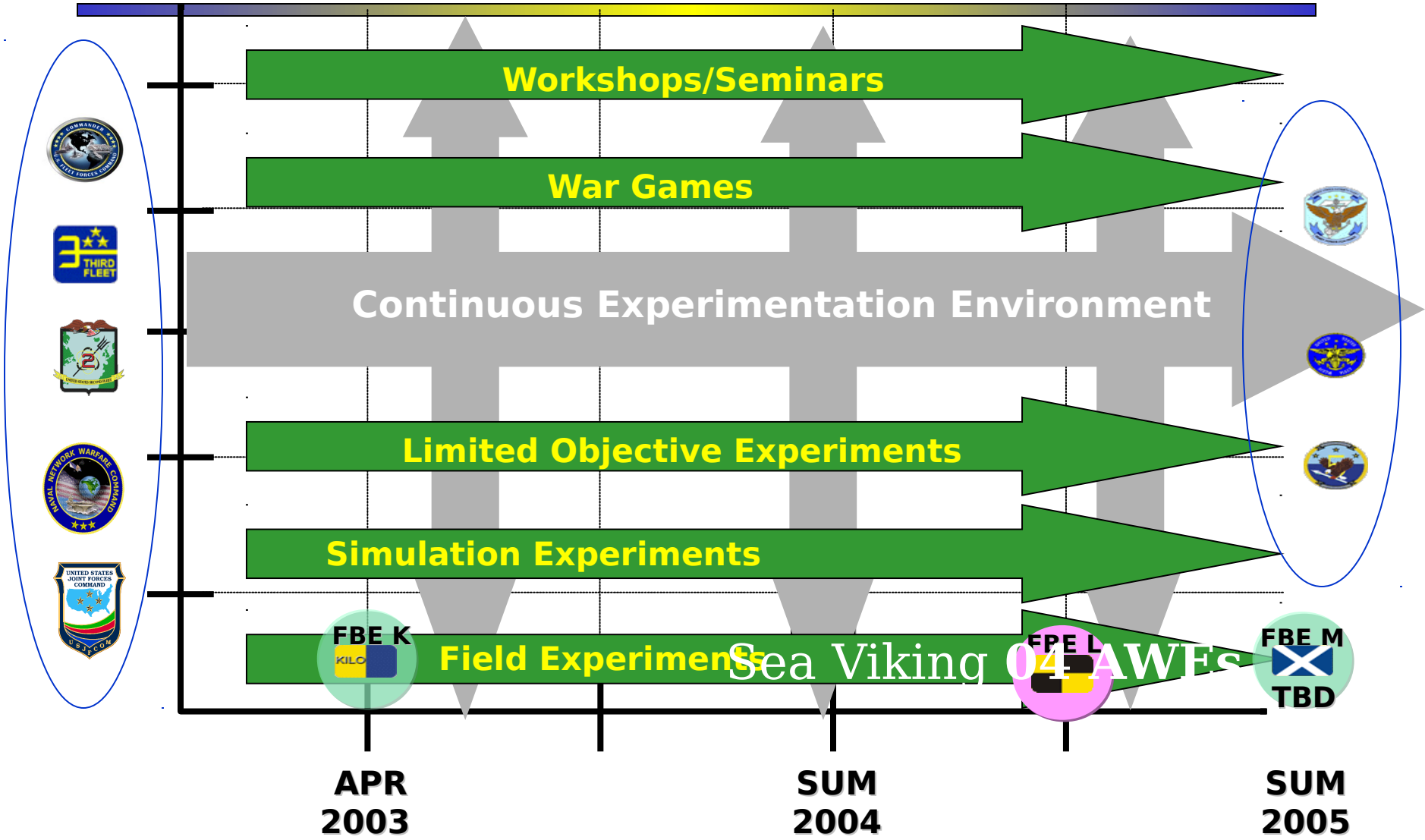
FY04 Sea Trial Priorities

- **JFMCC / CFMCC**
- **Dynamic C2**
- **TASW**
- **MIW**
- **HSV / LCS**
- **Missile Defense**

From the Sea Base

Many Small Experiments



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Major Events

- **CIE LOE (14 – 16 Sept)**
- **Unified Course (5 -9 Oct)**
- **JFMCC War Game (12 – 21 Nov)**
- **Terminal Fury (3 – 14 Dec)**
- **JTFEX 04-01 (15 – 21 Jan)**
- **Multi-Battle Group Synthetic Exercise (23-27 Feb)**
- **Unified Quest / Pinnacle Impact 04 (2 – 7 May)**
- **JTFEX 04-02 (Jun)**
- **Silent Hammer (Jun)**
- **RIMPAC (Aug)**
- **Sea Viking 04 (25 Oct – 3 Nov)**
- **Global Engagement VII (Nov 04)**

Sea Viking ’04

- Multi-event USMC Sponsored Effort
  - MEB Sized Force in 2015 Context
- Two part Advance Warfighting Experiment (AWE)
  - Part 1 - Simulated (East Coast Venue, MCCDC Lead, II MEF Participation)
    - **C2F Participation TBD**
  - Part 2 - Live (West Coast Venue, MCWL Lead, III MEF/C3F Participation)
- Proposed Navy Initiatives
  - JFMCC
    - **Distributed Collaborative C2**
  - Assured Access
    - **ASW**
    - **MIW (TBD)**
  - HSV Participation
    - **LCS Mission Module Testing**
    - **Sea Basing - Sustainment**
  - Strike
    - **Support to OMFTS**
    - **Affordable Weapon System (AWS)**
    - **Hypersonic Naval Rail Gun**

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Major SV'04 Events

- Sea Viking '04 (12 Nov 03 – 6 Nov 04)

– JFMCC Wargame (Nov 03) (Sea Basing)
– Concept Wargame (May 04) (All Pillars)
– Fires LOE (Aug 04) (Sea Strike)
– Concept Advanced Warfare (All Pillars)
Experiment (AWE–1, Oct 04)
– Prototype AWE (25 Oct – 5 Nov 04) (All Pillars)

Significant number of Spiral Events to include: studies, Limited Technical Analysis (LTAs), and wargames make up the other key events supporting the SV'04 campaign.

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Other Recent Initiatives

- Naval Operating Concept (Naval Concept for Joint Operations)
- Enhanced Netted Sea Basing Operational Concept
- Naval Fires Network TACMEMO
- Littoral Combat Ship CONOPS
- FORCEnet Dynamic C2 Spiral Experimentation
- Simulation Support to Pre-deployment Training

Naval Operating Concept

- **The NOC describes how integrated Naval forces will operate to provide Joint Force Commanders with decisive power projection capabilities.**
  - **Offensive, Defensive, Informational, and Assured Access**
- **Maintain warfighting advantage by aggressively exploiting concepts that harness the power of information, technology, and innovative organizational structures.**
- **In a culture where creativity and initiative are nurtured and rewarded, people will remain our greatest asset.**